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(Abstract:debug and Abstract:variable)

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science space-time tradeoff

Stewart A. Denenberg

January 1990 CSC '90: Proceedings of the 1990 ACM annual conference on Cooperation

Publisher: ACM

Full text available: Pdf (111.33 KB)

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Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 1, Citation Count: 0

Too often the department of Computer Science's service course is limited to either the major course itself or some course about computer science. While the former is usually much too demanding for nonmajors, the latter never fully allows the student ...

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2 [A new framework for debugging globally optimized code](#)

Le-Chun Wu, Rajiv Mirani, Harish Patil, Bruce Olsen, Wen-mei W. Hwu

May 1999 PLDI '99: Proceedings of the ACM SIGPLAN 1999 conference on Programming language design and implementation

Publisher: ACM

Full text available: Pdf (1.54 MB)

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With an increasing number of executable binaries generated by optimizing compilers today, providing a clear and correct source-level debugger for programmers to debug optimized code has become a necessity. In this paper, a new framework for debugging ...

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3 [Ada optimizations—an embedded systems view](#)

Lawrence Collingbourne

December 1990 TRI-Ada '90: Proceedings of the conference on TRI-Ada '90

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

The simple definition of Ada optimization is uncontroversially stated as the generation of optimal code sequences and data representations for each and every source code program written by the user. In the embedded systems marketplace, 'optimal' is taken ...

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4 [Debugging optimized code without being misled](#)



Max Copperman

May 1994 ACM Transactions on Programming Languages and Systems (TOPLAS). Volume 16 Issue 3

Publisher: ACM

Full text available: Pdf (2.57 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

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Correct optimization can change the behavior of an incorrect program; therefore at times it is necessary to debug optimized code. However, optimizing compilers produce code that impedes source-level debugging. Optimization can cause an inconsistency ...

5 [Abstract debugging of higher-order imperative languages](#)



François Bourdoncle

August 1993 PLDI '93: Proceedings of the ACM SIGPLAN 1993 conference on Programming language design and implementation

Publisher: ACM

Full text available: Pdf (1.19 MB)

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Abstract interpretation is a formal method that enables the static determination (i.e. at compile-time) of the dynamic properties (i.e. at run-time) of programs. We present an abstract interpretation-based method, called abstract debugging, ...

6 [A new framework for debugging globally optimized code](#)



Le-Chun Wu, Rajiv Mirani, Harish Patil, Bruce Olsen, Wen-mei W. Hwu

May 1999 ACM SIGPLAN Notices. Volume 34 Issue 5

Publisher: ACM

Full text available: Pdf (1.54 MB)

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With an increasing number of executable binaries generated by optimizing compilers today, providing a clear and correct source-level debugger for programmers to debug optimized code has become a necessity. In this paper, a new framework for debugging ...

7 [A new approach to debugging optimized code](#)



Gary Brooks, Gilbert J. Hansen, Steve Simmons

July 1992 ACM SIGPLAN Notices. Volume 27 Issue 7

Publisher: ACM

Full text available: Pdf (1.12 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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Debugging optimized code is a desirable capability not provided by most current debuggers. Users are forced to debug the unoptimized code when a bug occurs in the optimized version. Current research offers partial solutions for a small class of optimizations, ...

8 [A new approach to debugging optimized code](#)



Gary Brooks, Gilbert J. Hansen, Steve Simmons

July 1992 PLDI '92: Proceedings of the ACM SIGPLAN 1992 conference on Programming language design and implementation

Publisher: ACM

Full text available:  Pdf (1.12 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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Debugging optimized code is a desirable capability not provided by most current debuggers. Users are forced to debug the unoptimized code when a bug occurs in the optimized version. Current research offers partial solutions for a small class of optimizations, ...


9 [Abstract debugging of higher-order imperative languages](#)



François Bourdoncle

June 1993 ACM SIGPLAN Notices, Volume 28 Issue 6

Publisher: ACM

Full text available:  Pdf (1.19 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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Abstract interpretation is a formal method that enables the static determination (i.e. at compile-time) of the dynamic properties (i.e. at run-time) of programs. We present an abstract interpretation-based method, called abstract debugging, ...

10 [Applying Behavioural Level Test Generation to High-Level Design Validation](#)

M. Gulbins, B. Straube

March 1996 EDTC '96: Proceedings of the 1996 European conference on Design and Test

Publisher: IEEE Computer Society

Full text available:  Publisher Site,  Pdf (123.45 KB) Additional Information: [full citation](#), [abstract](#), [references](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 4, Citation Count: 0

Matthias Gulbins and Bernd Straube Using behavioural level test generation approaches a systematic way for design validation can be achieved. Our technique GESTE (Generation of Symbolic Tests by Solving Equations) generates symbolic tests from an algorithmic ...

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